

03/29/01
CRM PTO-1082

4-02-01

81784.0233
Express Mail Label No. EL 713 624 508 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re application of:

Yusuke TSUTSUI of Gifu, Japan; Makoto KITAGAWA of Gifu, Japan; Mitsugu KOBAYASHI of Aichi, Japan; and Hisao UEHARA of Gifu, Japan

Serial No: Not assigned

Filed: March 29, 2001

For: CHARGE PUMP TYPE POWER SUPPLY CIRCUIT AND DRIVING CIRCUIT
FOR DISPLAY DEVICE AND DISPLAY DEVICE USING SUCH POWER SUPPLY
CIRCUIT

JC997 U.S.P.T.O.
09/823328
03/29/01

Box PATENT APPLICATION

Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

CORRESPONDENCE ADDRESS:

Customer Number

000026021



26021
PATENT TRADEMARK OFFICE

Transmitted herewith for filing is the patent application identified above.

- 7 sheet(s) of drawings (formal informal) is(are) enclosed.
 24 page(s) of specification and 1 page(s) of abstract of the invention are enclosed.
 An assignment of the invention to SANYO ELECTRIC CO., LTD. is enclosed will follow.
 An associate power of attorney is enclosed will follow.
 Applicant claims small entity status. See 37 CFR 1.27.
 Declaration and Power of Attorney is enclosed will follow.
 A certified copy of Japanese Patent Application No. 2000-099889 filed March 31, 2000 from which priority is claimed under 35 U.S.C. § 119 is enclosed.
 IDS enclosed (with reference(s)).
 Preliminary Amendment is enclosed.
 Application data sheet is enclosed. See 37 CFR 1.76.
 Return postcard is enclosed.

CALCULATION OF FEES

| ITEM | TOTAL NO. OF CLAIMS | NO. OF CLAIMS OVER BASE | LG/SM \$ ENTITY FEE | \$ AMOUNT | \$ FEE |
|--|---------------------|-------------------------|--|-----------|--------|
| A TOTAL CLAIMS FEE | 5 | -20 | LG=\$18 SM=\$9 | \$18 | 0 |
| B INDEPENDENT CLAIMS FEE* | 3 | -3 | LG=\$80 SM=\$40 | \$80 | 0 |
| C SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B) | | | | | 0 |
| D MULTIPLE-DEPENDENT CLAIMS FEE | | | LARGE ENTITY FEE = \$270 SMALL ENTITY FEE = \$135 | \$ 0 | |
| E BASIC FEE | | | LARGE ENTITY FEE = \$710 SMALL ENTITY FEE = \$355 | \$ 710 | |
| F TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E) | | | | \$ 710 | |
| G ASSIGNMENT RECORDING FEE | | | | \$ 40 | \$ 40 |

*LIST INDEPENDENT CLAIMS 1, 3, 5.

- Please charge my Deposit Account No. 50-1314 the amount of \$ 0. A copy of this letter is enclosed.
 A check in the amount of \$ 0 to cover the filing fee is enclosed.
 A check in the amount of \$ 40.00 to cover Assignment Recordation fee is enclosed.
 The Commissioner is hereby authorized to charge any deficiency for the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
 Any additional filing fees required under 37 C.F.R. 1.16
 Any patent application processing fees under 37 C.F.R. 1.17

Respectfully submitted,
HOGAN & HARTSON LLP.

By:

Louis A. Mok

Registration No. 22,585
Attorney for Applicant(s)

Date: March 29, 2001

500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071
Telephone: (213) 337-6700
Facsimile: (213) 337-6701

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yusuke TSUTSUI et al.

Serial No: Not assigned

Filed: March 29, 2001

For: CHARGE PUMP TYPE POWER SUPPLY CIRCUIT AND
DRIVING CIRCUIT FOR DISPLAY DEVICE AND DISPLAY
DEVICE USING SUCH POWER SUPPLY CIRCUIT

Art Unit: Not assigned

Examiner: Not assigned

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL
"Express Mail" Mailing Label No. EL 713 624 508 US
Date of Deposit: March 29, 2001

Box PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I hereby certify that

- two copies of a letter of transmittal
- patent application (24 page(s) of specification; 5 claim(s); 1 page(s) of abstract
- 7 sheet(s) of formal drawings
- certified copy of Japanese patent application No. 2000-099889 which was filed March 31, 2000 from which priority is claimed in the subject case pursuant to 35 U.S.C. § 119
- return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

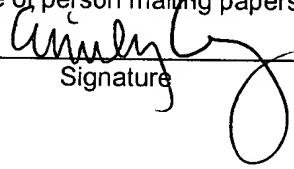
Box PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231.

Date: March 29, 2001

Hogan & Hartson, LLP
500 South Grand Avenue, Suite 1900
Los Angeles, California 90071
Telephone: 213-337-6700
Facsimile: 213-337-6701

Emily Cruz

Name of person mailing papers


Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yusuke TSUTSUI of Gifu, Japan; Makoto KITAGAWA of Gifu, Japan; Mitsugu KOBAYASHI of Aichi, Japan; and Hisao UEHARA of Gifu, Japan

Serial No: Not assigned

Filed: March 29, 2001

For: CHARGE PUMP TYPE POWER SUPPLY CIRCUIT AND DRIVING CIRCUIT
FOR DISPLAY DEVICE AND DISPLAY DEVICE USING SUCH POWER SUPPLY
CIRCUIT

jc997 U.S. PTO
09/823328
03/29/01

Box PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

CORRESPONDENCE ADDRESS:

 Customer Number

000026021



26021

PATENT TRADEMARK OFFICE

Transmitted herewith for filing is the patent application identified above.

- 7 sheet(s) of drawings (formal informal) is(are) enclosed.
 24 page(s) of specification and 1 page(s) of abstract of the invention are enclosed.
 An assignment of the invention to SANYO ELECTRIC CO., LTD. is enclosed will follow.
 An associate power of attorney is enclosed will follow.
 Applicant claims small entity status. See 37 CFR 1.27.
 Declaration and Power of Attorney is enclosed will follow.
 A certified copy of Japanese Patent Application No. 2000-099889 filed March 31, 2000 from which priority is claimed under 35 U.S.C. § 119 is enclosed.
 IDS enclosed (with reference(s)).
 Preliminary Amendment is enclosed.
 Application data sheet is enclosed. See 37 CFR 1.76.
 Return postcard is enclosed.

CALCULATION OF FEES

| ITEM | TOTAL NO. OF CLAIMS | | NO. OF CLAIMS OVER BASE | LG/SM \$ ENTITY FEE | | \$ AMOUNT | \$ FEE |
|--|---------------------|-----|-------------------------|--|------|-----------|--------|
| | | | | LG=\$18 SM=\$9 | \$18 | | |
| A TOTAL CLAIMS FEE | 5 | -20 | 0 | LG=\$18 SM=\$9 | \$18 | 0 | |
| B INDEPENDENT CLAIMS FEE* | 3 | -3 | 0 | LG=\$80 SM=\$40 | \$80 | 0 | |
| C SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B) | | | | | | 0 | |
| D MULTIPLE-DEPENDENT CLAIMS FEE | | | | LARGE ENTITY FEE = \$270 SMALL ENTITY FEE = \$135 | | \$ 0 | |
| E BASIC FEE | | | | LARGE ENTITY FEE = \$710 SMALL ENTITY FEE = \$355 | | \$ 710 | |
| F TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E) | | | | | | \$ 710 | |
| G ASSIGNMENT RECORDING FEE | | | | | | \$ 40 | \$ 40 |

*LIST INDEPENDENT CLAIMS 1, 3, 5.

- Please charge my Deposit Account No. 50-1314 the amount of \$ 0. A copy of this letter is enclosed.
 A check in the amount of \$ 0 to cover the filing fee is enclosed.
 A check in the amount of \$ 40.00 to cover Assignment Recordation fee is enclosed.
 The Commissioner is hereby authorized to charge any deficiency for the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
 Any additional filing fees required under 37 C.F.R. 1.16
 Any patent application processing fees under 37 C.F.R. 1.17

Respectfully submitted,
HOGAN & HARTSON LLP.

By:

Louis A. Mok

Registration No. 22,585
Attorney for Applicant(s)

Date: March 29, 2001

500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071
Telephone: (213) 337-6700
Facsimile: (213) 337-6701